



June 20, 2006 Project No. 2029-2400-01

Mr. Barry Marcus Sacramento County Environmental Management Department 8475 Jackson Road, Suite 230 Sacramento, CA 95826-3904

Re: Quarterly Groundwater Monitoring Report, Second Quarter 2006, for Kwik Serv Fueling Station, located at 2400 Fruitridge Road, Sacramento, California (LOP No. G028)

Dear Mr. Marcus:

Stratus Environmental, Inc. (Stratus) is submitting the attached report which presents the results of the second quarter 2006 quarterly monitoring and sampling program on behalf of Mr. Bal Soin for the Kwik Serv Fueling Station, located at 2400 Fruitridge Road, Sacramento, California (Figure 1). This report is in compliance with Sacramento County Environmental Management Department requirements for underground storage tank (UST) investigations.

If you have any questions regarding this report, please contact Steve Carter at (530) 676-6008.

Sincerely,

STRATUS ENVIRONMENTAL

Stephen J. Carter, P.G.

Sr. Project Supervisor

No. 5577

stephen J. Carter

Gowri S. Kowtha, P.E.

røject Manager

Attachment: Quarterly Groundwater Monitoring Report, Second Quarter 2006

cc: Mr. Bal Soin, Kwik Serv Fueling Station

Ms. Christyl Escarda, Central Valley Regional Water Quality Control Board

Date	June 20, 2006
Date	June 20, 2006

KWIK SERV QUARTERLY GROUNDWATER MONITORING REPORT

Facility: Kwik Serv Address: 2400 Fruitridge Road, Sacramento, California

Consulting Co./Contact Person: Stratus Environmental, Inc./ Stephen J. Carter, P.G.

Consultant Project No: 2029-2400-01

Primary Agency/Regulatory ID No: Barry Marcus, Sacramento County Environmental Management

Department / G028

WORK PERFORMED THIS QUARTER (Second 2006):

- 1. Stratus monitored the groundwater elevation and collected groundwater samples from well MW-4 on May 15, 2006.
- 2. Stratus compiled and evaluated groundwater monitoring data.
- 3. Stratus conducted a soil vapor extraction (SVE) test on April 6, 2006. Stratus prepared and submitted a *Soil Vapor Extraction Test Report* dated May 31, 2006.

WORK PROPOSED FOR NEXT QUARTER (Third 2006):

- 1. The next sampling event is tentatively scheduled for May 2006. Groundwater samples will be collected for laboratory analysis from well MW-4.
- 2. Groundwater samples will be analyzed at a state-certified analytical laboratory for total petroleum hydrocarbons as gasoline (TPHG) by EPA Method SW8015B/DHS LUFT Manual, and for benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary butyl alcohol (TBA), and 1,2-dichloroethane (1,2-DCA) by EPA Method SW8260B.

Current Phase of Project:	Assessment
Frequency of Groundwater Sampling:	All Wells = Quarterly
Frequency of Groundwater Monitoring:	Quarterly
Groundwater Sampling Date:	May 15, 2006
Is Free Product (FP) Present on Site:	No
FP Recovered This Quarter:	NA
Cumulative FP Recovered to Date:	NA
Approximate Depth to Groundwater:	27.01 feet below top of well casing
Groundwater Flow Direction:	NA
Groundwater Gradient:	NA

DISCUSSION:

At the time of the second quarter 2006 sampling event, the groundwater elevation measured in well MW-4 had increased 1.06 feet since the previous monitoring event (March 9, 2006). Depth-to-water measurements were corrected to mean sea level (Table 1). TPHG, BTEX compounds, MTBE, ETBE, DIPE, TAME, TBA, or 1,2-DCA were not reported in well MW-4.

ATTACHMENTS:

•	Table 1	Groundwater Elevation and Analytical Summary
•	Table 2	Groundwater Analytical Results for Oxygenates and Additional Compounds
•	Figure 1	Site Location Map
•	Figure 2	Site Plan
•	Appendix A	Field Data Sheets

Kwik Serv_Quarterly_Data

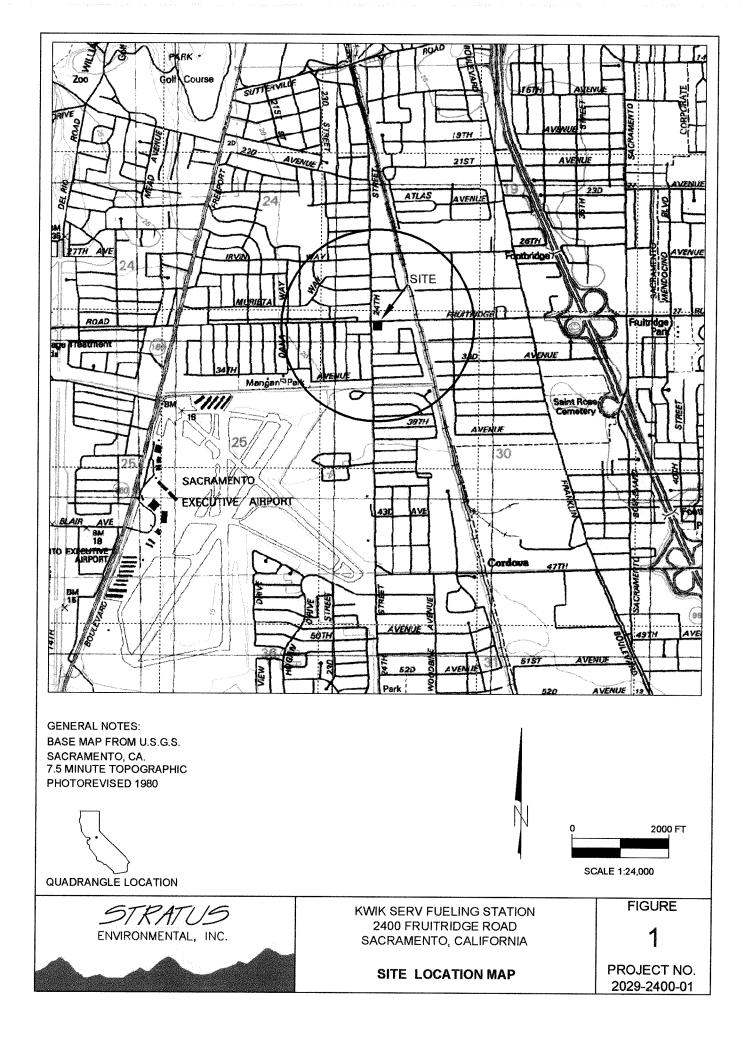
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY Kwik Serv Fueling Station 2400 Fruitridge Road Sacramento, CA

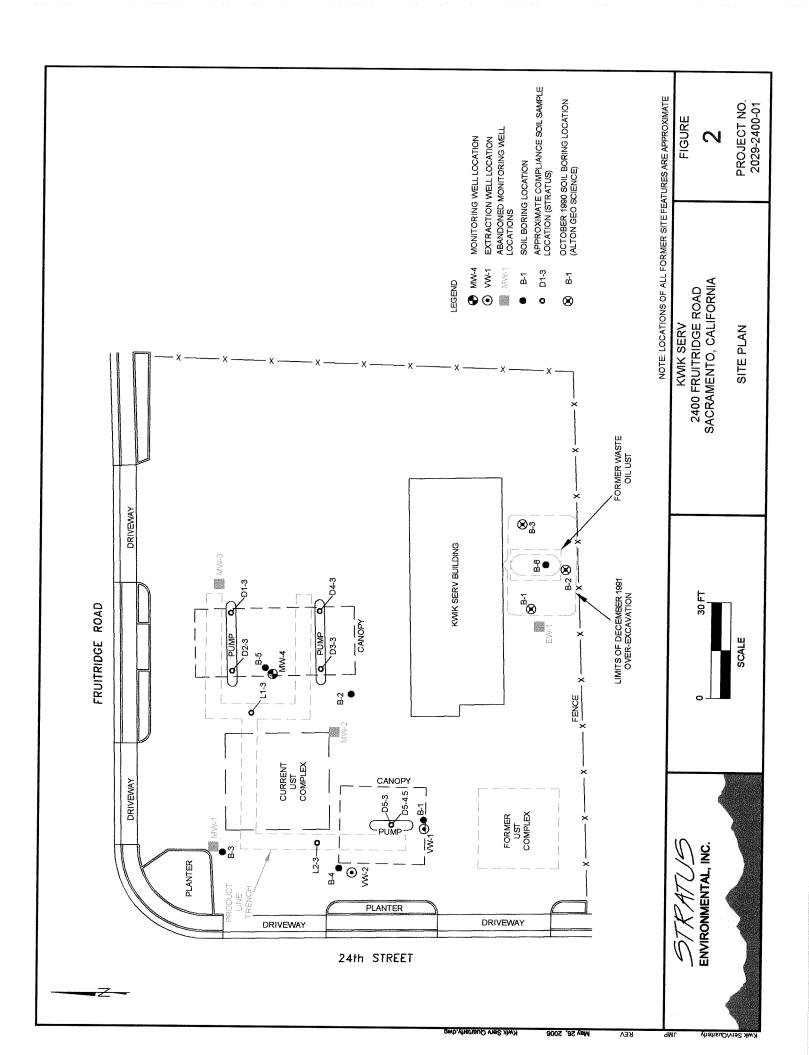
TABLE 1

Well	Date	TOC	Depth to	Groundwater				Ethvl	Total	
D	Sampled	Elevation (feet msl)	Groundwater (feet bgs)	Elevation (feet msl)	TPHG µg/L	Benzene µg/L	Toluene µg/L	benzene µg/L	Xylenes µg/L	MTBE ug/L
MW-4	03/09/06	23.97	28.07 27.01	-4.10 -3.04	<50 <50	<0.50	<0.50	<0.50	<0.50	<0.50
Notes: TPHG analyzed All other analyte TPHG = Total P MTBE = Methyl	Notes: TPHG analyzed using EPA Method 8015B/DHS LUFT Manual All other analytes analyzed using EPA Method 8260B TPHG = Total Petroleum Hydrocarbons as Gasoline MTBE = Methyl tertiary butyl ether	nod 8015B/DHS g EPA Method 8 carbons as Gaso her	S LUFT Manual 3260B line		TOC = Top of Casing bgs = below ground surface msl = mean sea level µg/L = micrograms per liter	ing d surface rel is per liter				

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS
Kwik Serv Fueling Station
2400 Fruitridge Road
Sacramento, CA

Well ID	Date Sampled	MTBE (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (μg/L)	TBA (μg/L)	1,2-DCA (µg/L)
MW-4	03/09/06 05/15/06	<0.50	0.1 0.1 0.1	<1.0	<a>	<10 <10 <10	<1.0
NOTES: MTBE = Methyl tertiary buty ETBE = Ethyl tertiary butyl e DIPE = Di-isopropyl ether TAME = Tertiary amyl methy TBA = Tertiary butyl alcohol 1,2-DCA = 1,2-Dichloroethar	NOTES: MTBE = Methyl tertiary butyl ether ETBE = Ethyl tertiary butyl ether DIPE = Di-isopropyl ether TAME = Tertiary amyl methyl ether TBA = Tertiary butyl alcohol 1,2-DCA = 1,2-Dichloroethane			ug/l = Micrograms per liter Analyzed using USEPA Method 8260B	iter Method 8260B		





APPENDIX A FIELD DATA SHEETS

Site Contact Phone No.

Site Address: 2400 Faitrids & City Sac Sampled By 17 + 2 land

Site Number: Kick Servi Project No. 2027-2406-01 Project PM Bown Kentra Date Sampled 515-01

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	Total	Depth of	feet	707													
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vel Data		Depth to		27.0													
Water Level Data			Time		,												
Water Level D			Well ID	4-00							and the same of th			44.000000			





Site Address 2100 Fruits dge City Sac Site Sampled by D Foland Site Number Kwik Serv Project No 2029-2400-01 Project PM <u>Bows; Kowtha</u> Date Sampled <u>Jul 5-04</u>

Well ID Mu	y-4				Well ID					
purge start time					purge.start t	ime		*		
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APPENDIX B SAMPLING AND ANALYSIS PROCEDURES

SAMPLING AND ANALYSIS PROCEDURES

The sampling and analysis procedures as well as the quality assurance plan are contained in this appendix. The procedures and adherence to the quality assurance plan will provide for consistent and reproducible sampling methods; proper application of analytical methods; accurate and precise analytical results; and finally, these procedures will provide guidelines so that the overall objectives of the monitoring program are achieved.

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the ground water depth in monitoring wells that do not contain LPH. Depth to ground water or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typical a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for hydrocarbon sheen.

Subjective Analysis of Ground Water

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

Monitoring Well Purging and Sampling

Monitoring wells are purged using a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water have been removed. If three well volumes can not be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a ground water sample is then removed from each of the wells using a disposable bailer.

A Teflon bailer, electric submersible or bladder pump will be the only equipment used for well sampling. When samples for volatile organic analysis are being collected, the pump flow will be regulated at approximately 100 milliliters per minute to minimize pump effluent turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa will be used in sampling for volatile organics. These bottles will be filled completely to prevent air from remaining in the bottle. A positive meniscus forms when the bottle is completely full. A convex Teflon septum will be placed over the positive meniscus to eliminate air. After the bottle is capped, it is inverted and tapped to verify that it contains no air bubbles. The sample containers for other parameters will be filled, filtered as required, and capped.

The water sample is collected, labeled, and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of accruing to regulatory accepted method pertaining to the site.

QUALITY ASSURANCE PLAN

Procedures to provide data quality should be established and documented so that conditions adverse to quality, such as deficiencies, deviations, nonconforments, defective material, services, and/or equipment, can be promptly identified and corrected.

General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample is collected in a suitable container, preserved correctly for the intended analysis, and stored prior to analysis for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of samples used on this project can be found in this section.

Soil and Water Sample Labeling and Preservation

Label information includes a unique sample identification number, job identification number, date, and time. After labeling all soil and water samples are placed in a Ziploc[®] type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

Upon recovery, the sample container is sealed to minimize the potential of volatilization and cross-contamination prior to chemical analysis. Soil sampling tubes are typically closed at each end with Teflon[®] sheeting and plastic caps. The sample is then placed in a Ziploc[®] type bag and sealed. The sample is labeled and refrigerated at approximately 4° Celsius for delivery, under strict chain-of-custody, to the analytical laboratory.

Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded on the borehole log or in the field records. The samples are analyzed by a California-certified laboratory.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and

noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

Equipment Cleaning

Sample bottles, caps, and septa used in sampling for volatile and semivolatile organics will be triple rinsed with high-purity deionized water. After being rinsed, sample bottles will be dried overnight at a temperature of 200°C. Sample caps and septa will be dried overnight at a temperature of 60°C. Sample bottles, caps, and septa will be protected from solvent contact between drying and actual use at the sampling site. Sampling containers will be used only once and discarded after analysis is complete.

Plastic bottles and caps used in sampling for metals will be soaked overnight in a 1-percent nitric acid solution. Next, the bottles and caps will be triple rinsed with deionized water. Finally, the bottles and caps will be air dried before being used at the site. Plastic bottles and caps will be constructed of linear polyethylene or polypropylene. Sampling containers will be used only once and discarded after analysis is complete. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

Before the sampling event is started, equipment that will be placed in the well or will come in contact with groundwater will be disassembled and cleaned thoroughly with detergent water, and then steam cleaned with deionized water. Any parts that may absorb contaminants, such as plastic pump valves, etc. will be cleaned as described above or replaced.

During field sampling, equipment surfaces that are placed in the well or contact groundwater will be steam cleaned with deionized water before the next well is purged or sampled. Equipment blanks will be collected and analyzed from non-disposable sampling equipment that is used for collecting groundwater samples at the rate of one blank per twenty samples collected.

Internal Quality Assurance Checks

Internal quality assurance procedures are designed to provide reliability of monitoring and measurement of data. Both field and laboratory quality assurance checks are necessary to evaluate the reliability of sampling and analysis results. Internal quality assurance procedures generally include:

- Laboratory Quality Assurance

- Documentation of instrument performance checks
- Documentation of instrument calibration
- Documentation of the traceability of instrument standards, samples, and data
- Documentation of analytical and QC methodology (QC methodology includes use of spiked samples, duplicate samples, split samples, use of reference blanks, and check standards to check method accuracy and precision)

- Field Quality Assurance

- Documentation of sample preservation and transportation
- Documentation of field instrument calibration and irregularities in performance

Internal laboratory quality assurance checks will be the responsibility of the contract laboratories. Data and reports submitted by field personnel and the contract laboratory will be reviewed and maintained in the project files.

Types of Quality Control Checks

Samples are analyzed using analytical methods outlined in EPA Manual SW 846 and approved by the California Regional Water Quality Control Board-Central Valley Region in the Leaking Underground Fuel Tanks (LUFT) manual and appendices. Standard contract laboratory quality control may include analysis or use of the following:

- Method blanks reagent water used to prepare calibration standards, spike solutions, etc. is analyzed in the same manner as the sample to demonstrate that analytical interferences are under control.
- Matrix spiked samples a known amount of spike solution containing selected constituents is added to the sample at concentrations at which the accuracy of the analytical method is to satisfactorily monitor and evaluate laboratory data quality.
- Split samples a sample is split into two separate aliquots before analysis to assess the reproducibility of the analysis.
- Surrogate samples samples are spiked with surrogate constituents at known concentrations to monitor both the performance of the analytical system and the effectiveness of the method in dealing with the sample matrix.
- Control charts graphical presentation of spike or split sample results used to track the accuracy or precision of the analysis.
- Quality control check samples when spiked sample analysis indicates atypical instrument performance, a quality check sample, which is prepared independently of the calibration standards and contains the constituents of interest, is analyzed to confirm that measurements were performed accurately.

• Calibration standards and devices – traceable standards or devices to set instrument response so that sample analysis results represent the absolute concentration of the constituent.

Field QA samples will be collected to assess sample handling procedures and conditions. Standard field quality control may include the use of the following, and will be collected and analyzed as outlined in EPA Manual SW 846.

- Field blanks reagent water samples are prepared at the sampling location by the same procedure used to collect field groundwater samples and analyzed with the groundwater samples to assess the impact of sampling techniques on data quality. Typically, one field blank per twenty groundwater samples collected will be analyzed per sampling event.
- Field replicates duplicate or triplicate samples are collected and analyzed to assess the reproducibility of the analytical data. One replicate groundwater sample per twenty samples collected will be analyzed per sampling event, unless otherwise specified. Triplicate samples will be collected only when specific conditions warrant and generally are sent to an alternate laboratory to confirm the accuracy of the routinely used laboratory.
- Trip blanks reagent water samples are prepared before field work, transported and stored with the samples and analyzed to assess the impact of sample transport and storage for data quality. In the event that any analyte is detected in the field blank, a trip blank will be included in the subsequent groundwater sampling event.

Data reliability will be evaluated by the certified laboratory and reported on a cover sheet attached to the laboratory data report. Analytical data resulting from the testing of field or trip blanks will be included in the laboratory's report. Results from matrix spike, surrogate, and method blank testing will be reported, along with a statement of whether the samples were analyzed within the appropriate holding time.

Stratus will evaluate the laboratory's report on data reliability and note significant QC results that may make the data biased or unacceptable. Data viability will be performed as outlined in EPA Manual SW 846. If biased or unacceptable data is noted, corrective actions (including re-sample/re-analyze, etc.) will be evaluated on a site-specific basis.

APPENDIX C

CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION



255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183



ANALYTICAL REPORT

Stratus Environmental 3330 Cameron Park Drive Cameron Park, CA 956828861

Attn: Gowri Kowtha Phone: (530) 676-6001 Fax: (530) 676-6005

Date Received: 05/15/06

JUN 0 5 2006

Job#:

2029-2400-01 Kwik Serve

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B/DHS LUFT Manual Volatile Organic Compounds (VOCs) EPA Method SW8260B

	Parameter	Concentration	Reporting Limit	Date	Date
Client ID:	TPH-P (GRO)) III)		Sampled	Analyzed
		ND	50 μg/L	05/15/06	05/18/06
MW-4	Tertiary Butyl Alcohol (TBA)	ND	10 μg/L	05/15/06	05/18/06
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	0.50 μg/L	05/15/06	05/18/06
STR06051607-01A	Di-isopropyl Ether (DIPE)	ND	1.0 μg/L	05/15/06	05/18/06
	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 μg/L	05/15/06	05/18/06
	1,2-Dichloroethane	ND	1.0 µg/L	05/15/06	05/18/06
	Benzene	ND	0.50 μg/L	05/15/06	05/18/06
	Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	05/15/06	05/18/06
	Toluene	ND	0.50 μg/L	05/15/06	05/18/06
	Ethylbenzene	ND	0.50 μg/L	05/15/06	05/18/06
	m,p-Xylene	ND	0.50 μg/L	05/15/06	05/18/06
	o-Xylene	ND	$0.50~\mu g/L$	05/15/06	05/18/06

Gasoline Range Organics (GRO) C4-C13
Reported in micrograms per liter, per client request.
ND = Not Detected

Loger Scholl Kandy

Walter Hindrey

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

Report Date

•



255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR06051607

Project: 2029-2400-01 Kwik Serve

Alpha's Sample ID	Client's Sample ID	Matrix	рН	
06051607-01A	MW-4	Aqueous	2	-V h

5/22/06

Report Date



255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

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0518B al %REC LowLin 101 76 102 84 95 79	Prep Date: mit HighLimit RPDRef\ 127 113 119	05/18/2006
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omments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated alues may differ slightly.

eported in micrograms per liter, per client request.



255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 23-May-06		QC S	Summa	ary Rep	ort				Work Order:
Method Blank		Type	MBLK	Test Code:	FPA M	ethod SM	8260₽		06051607
File ID: D:\HPCHEM\MS09\DATA\060518	8\06051806.D	7.5		Batch ID: N				hade D	0#/40/6===
Sample ID: MBLK MS09W0518A	Units : µg/l	ı				910A			05/18/2006 13:35
Analyte	Result			MSD_09_0			Prep	Date:	05/18/2006
Tertiary Butyl Alcohol (TBA)		PQL		SpkRefV	al %RE	C LowLim	it HighLim	it RPDRef	Val %RPD(Limit) Qua
Methyl tert-butyl ether (MTBE)	ND		0						
Di-isopropyl Ether (DIPE)	ND	0.							
Ethyl Tertiary Butyl Ether (ETBE)	ND ND		1						
1,2-Dichloroethane	ND		1 1						
Benzene	ND	0.							
Tertiary Amyl Methyl Ether (TAME)	ND		1						
Toluene	ND	0.5							
Ethylbenzene	ND	0.5							
m,p-Xylene	ND	0.5							
o-Xylene	ND	0.5	5						
Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8	10.1		10)	101	76	127		
Surr: 4-Bromofluorobenzene	10.2		10		102	84	113		
	9.49		10	1	95	79	119		
Laboratory Control Spike		Type L	.cs T	est Code:	PA Met	hod SW8	260B		
File ID: D:\HPCHEM\MS09\DATA\060518\	06051804.D	•		atch ID: MS				ala Data	0.00/1.00/0.00
Sample ID: LCS MS09W0518A	Units : µg/L					IOA			05/18/2006 12:50
Analyte		DOL		ISD_09_060			Prep		05/18/2006
Market Market Control of the Control	Result	PQL	SpkVal	SpkRefVa	I %REC	LowLimit	HighLimit	RPDRefV:	al %RPD(Limit) Qual
Benzene Toluene	9.86	0.5	10		99	81	122		
Ethylbenzene	10.3	0.5	10		103	80	120		
n,p-Xylene	9.83	0.5	10		98	80	120		
D-Xylene	11	0.5	10		110	80	129		
Surr: 1,2-Dichloroethane-d4	10.1	0.5	10		101	80	129		
Surr: Toluene-d8	10.8		10		108	76	127		
Surr: 4-Bromofluorobenzene	10		10		100	84	113		
	9.31		10		93	79	119		
Sample Matrix Spike		Type M	S Te	est Code: E	PA Meth	nod SW82	260B		
File ID: D:\HPCHEM\MS09\DATA\060518\0	06051811.D			atch ID: MS				ie Date: f	05/18/2006 16:15
Sample ID: 06051607-01AMS	Units : µg/L	ļ		SD_09_060		U A			
nalyte	Result	PQL .					Prep D		5/18/2006
enzene			Sprivai	SpkRetvai	%REC	LowLimit	HighLimit I	RPDRefVa	l %RPD(Limit) Qual
oluene	54.6	1.3	50	0	109	74	125		
thylbenzene	55.2	1.3	50	0	110	76	120		
n,p-Xylene	52.3	1.3	50	0	105	77	124		
-Xylene	57.6	1.3	50	0	115	73	130		
urr: 1,2-Dichloroethane-d4	51.8	1.3	50	0	104	74	131		
urr: Toluene-d8	56 50		50		112	76	127		
urr: 4-Bromofluorobenzene	51.5		50 50		100	84	113		
AND PRODUCTION OF THE PROPERTY					103	79	119		
ample Matrix Spike Duplicate	Ţ	ype MS	D Te	st Code: EF	A Meth	od SW826	60B		
ile ID: D:\HPCHEM\MS09\DATA\060518\0	6051808.D			tch ID: MS0				s Date: 04	5/18/2006 15:06
ample ID: 06051607-01AMSD	Units : µg/L	R		D_09_0605			Prep Da		
nalyte		PQL				owl imit b			5/18/2006
enzene	50.2								%RPD(Limit) Qual
bluene	49.5	1.3	50 50	0	100	74	125	54.58	8.4(13)
hylbenzene	49.5 47	1.3	50	0	99	76	120	55.18	11.0(13)
p-Xylene	51.3	1.3	50	0	94	77 70	124	52.25	10.5(13)
Xylene	47.2	1.3 1.3	50	0	103	73	130	57.55	11.5(14)
ırr: 1,2-Dichloroethane-d4	57.9	1.3	50 50	0	94	74	131	51.79	9.3(13)
ırr: Toluene-d8	48.5		50 50		116	76	127		
rr: 4-Bromofluorobenzene	52.6		50 50		97 105	84	113		
			50		105	79	119		
mments:									

lculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated ues may differ slightly.

Alpha Analytical, Inc.Phone: (775) 355-1044 FAX: (775) 355-0406

Sample Receipt Checklist

Date Report is due to Client: 5/23/2006

Date of Notice: 5/16/2006 3:47:11 P

Please take note of any NO check marks. If we receive no response concerning these items within 24 hours of the date of this notice, all of the samples will be analyzed as requested.

Client Name: Stratus Environmental	Project ID: 2029	9-2400-01 Kwil	« Serve
Project Manager: Gowri Kowtha	Client's EMail: gkov Client's Phone: (530	=	nc.net Client's FAX: (530) 676-6005
Work Order Number: STR06051607	Date Received: 5/15	='	Received by: Elizabeth Sauvageau
Chai	n of Custody (COC) li	nformation	
Carrier name FedEx			
Chain of custody present ?	Yes 🗸	☐ No	
Custody seals intact on shippping container/cooler ?	Yes 🔽	☐ No	Not Present
Custody seals intact on sample bottles?	Yes 🗌	☐ No	Not Present
Chain of custody signed when relinquished and received?	Yes 🔽	☐ No	
Chain of custody agrees with sample labels?	Yes 🗹	☐ No	
Sample ID noted by Client on COC ?	Yes 🗹	☐ No	
Date and time of collection noted by Client on COC?	Yes 🗹	☐ No	
Samplers's name noted on COC ?	Yes 🗹	☐ No	
Internal Chain of Custody (COC) requested ?	Yes 🗌	✓ No	
Sub Contract Lab Used :	None 🗹	SEM	Other (see comments)
<u>s</u>	ample Receipt Inform	ation	
Shipping container/cooler in good condition?	Yes 🗹	☐ No	Not Present
Samples in proper container/bottle?	Yes 🗹	☐ No	
Sample containers intact?	Yes 🗸	☐ No	
Sufficient sample volume for indicated test?	Yes 🗹	☐ No	
Sample Preser	vation and Hold Time	(HT) Informa	tion
All samples received within holding time?	Yes 🗹	☐ No	Cooler Temperature
Container/Temp Blank temperature in compliance (0-6°C)?	Yes 🗹	☐ No	4 °C
Nater - VOA vials have zero headspace / no bubbles?	Yes 🗹	☐ No	No VOA vials submitted
Sample labels checked for correct preservation?	Yes 🗹	☐ No	
FOC Water - pH acceptable upon receipt (H2SO4 pH<2)?	Yes	☐ No	N/A ☑
Analyt	ical Requirement Info	ormation	
Are non-Standard or Modified methods requested?	Yes	✓ No	
are there client specific Project requirements?	Yes	✓ No	If YES : see the Chain of Custody (COC)
Comments :			

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Page: 1 of 1

CHAIN-OF-CUSTODY RECORD

5	WorkOrder: STR06051607	Report Due By: 5:00 PM On: 23-May-06	EDD Required: No		4 °C 15-May-06 16-May-06	Requested Tests
Alpha Analytical, Inc.	255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778 TEL: (775) 355-1044 FAV. (777)	Gowri Kowtha TEL: (530) 676-6001 x	FAX: (530) 676-6005 EMail gkowtha@stratusinc.net	Job: 2029-2400-01 Kwik Serve PO:	= Final Rpt, MBLK, LCS, MS/MSD With Surrogates	Collection No. of Bottles Matrix Date ORG SUB TAT PWs.#
	Client	Stratus Environmental 3330 Cameron Park Drive	Suite 550 Cameron Park, CA 95682-8861	Report Attention: Gowri Kowtha	QC Level: S3 = Final Rpt, MBLK,	Alpha Client Sample ID Sample ID Matri

Sample Remarks

BTEX/OXY/ 1.2-DCA_C

GAS-C

9

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S

AQ 05/15/06

STR06051607-01A MW-4

ORG SUB TAT PWS#

Security seals intact. Frozen ice. Samples received Monday 5/15, kept cold and secure until login Tuesday 5/16. Send copy of receipt checklist with final report. :

Comments:

Print Name

Elizabeth Sawageau Logged in by:

2/10/0/01/5 Date/Time

Alpha Analytical, Inc. Company

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NV WA OTHER OYSES Required	Hequired OC Level? I II III IV Clobal ID # REMARKS			
Alpha Analytical, Inc. Samp 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778 Phone (775) 355-1044 Fax (775) 355-0406 P.O. # Job# 257-2460-51	Regord Attention, Kewitz, Intel and type of Assample Description TAT Field See below Y X X X X X X X X X X X X X X X X X X			
Name 21 % a less for the loca mente le Sto City, State, Zip Connered Por Por City, State, Zip Connered Fax 530 626-1005 Client Name Kin K Serve	City, State, Zip Time Date Matrix Office Use Sampled by Folder Can Sampled Sampled See Key Sampled Sampled Below Lab ID Number Sampled Ag STRO LO SI LO D - OI		ADDITIONAL INSTRUCTIONS:	Signature

Time 5-16-06/15:58 5-15-06 S-15-06 Date ALPHA ANALISTEN the Company Stratus Elizabeth Sauvageau Foland Print Name OT - Other WA - Waste SO - Soil *Key: AQ - Aqueous Received by Relinquished by Relinquished by Relinquished by Received by Received by

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.